

APRIL/MAY 2024

**CECA54C/CECS54C/CESC54B —  
SOFTWARE TESTING**

Time : Three hours

Maximum : 75 marks



**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Define software testing.
2. Give the main purpose of testing.
3. Write important activities in static testing.
4. Mention any two types of dynamic testing.
5. What is random testing?
6. Comment on graph metrics.
7. How do select tools in software testing?
8. Write the propose of automated testing tools?
9. Exhibit the two kinds of quality.
10. Draw the RAD model.



SECTION B — (5 × 5 = 25 marks)

Answer All Questions.

11. (a) Explain the principles of software testing.

Or

- (b) Distinguish between test and strategies.

12. (a) Discuss about block box testing.

Or

- (b) Write about the system testing.

13. (a) Write short notes on slice – based testing.

Or

- (b) Write about model – based testing.

14. (a) How to write a test plan? Explain.

Or

- (b) Discuss the types of GUI testing.

15. (a) Give the importance of quality assurance.

Or

- (b) Explain the phases of RAD.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain about the verification and validation testing.

17. Examine the waterfall model.

18. Discuss about DU (Define/Use) testing.

19. Explicate the levels of object oriented testing.

20. Illustrate the models for software process quality.